

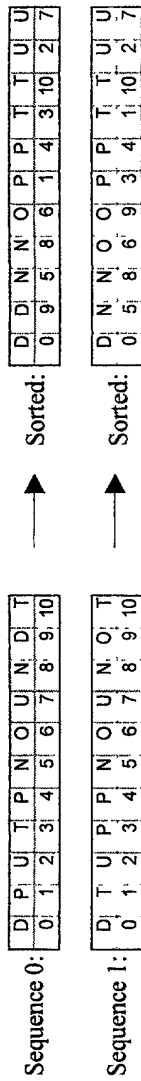
S₁MOT Table

A	C	D	E	F	G	H	I	K	L	M	N	P	Q	R	S	T	V	W	Y
5	1	8	0	6	2	3	33	20	18		16	17	10	44	7	23	12		9
36	41	13	15	28	31	4	37	25	46			22	19		24	29	21	11	
		14		42		40		34				26	43		45		30		
		32						35				27							
												38							
												39							

S₂MOT Table

A	C	D	E	F	G	H	I	K	L	M	N	P	Q	R	S	T	V	W	Y
33	0		1	19	3	28	17	8	6		52	11	20	7	13	26	2	34	38
40	36		39	47	41	42		10	23			16	44	21	22		4	46	45
					49	43		14	30			25		31			5	50	48
					53			32				27					9		
																	12		
																	15		
																	18		
																	24		
																	29		
																	35		
																	37		
																	51		

Figure 1

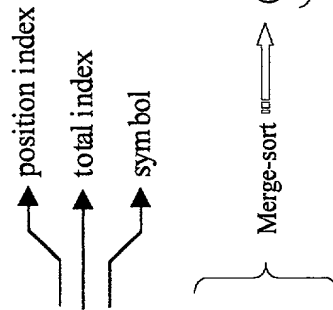


Pattern Map Row Index

1										
2	9	10								
3										
4										
5										
6	7	13								
7										
8										
10	14									

11	0	2	4	5	6	7	8	10		
	11	13	15	16	17	18	19	21		
	D	U	P	N	O	U	N	T		
12										
13	1	14								
	P									
14	1	5	6							
	P	N	O							
15										
16	2									
	18									
17										
18	3									
	21									
19										
20										
21										

Figure 3



P...NO "Reference Pattern"

P...NO "Corrupted Pattern"

The "Reference Pattern" is obtained by reading out a symbol corresponding to a unique instance of each position index in the merge-sorted list.

The "Corrupted Pattern(s)" are obtained by finding all possible ways of combining the total indices where the position index occurs more than once, and then reading out symbols corresponding to the relative positions determined by the total indices.

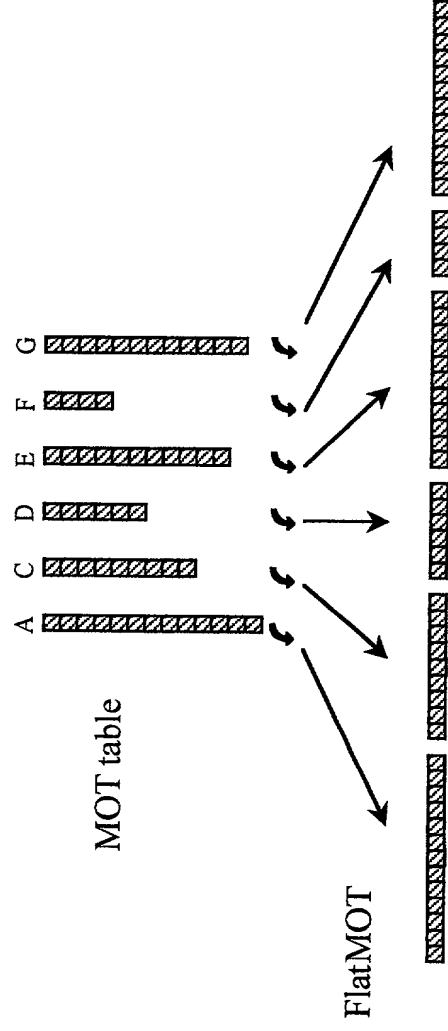


Figure 4

Maximum number of don't-cares = 3
Minimum number of symbols = 6

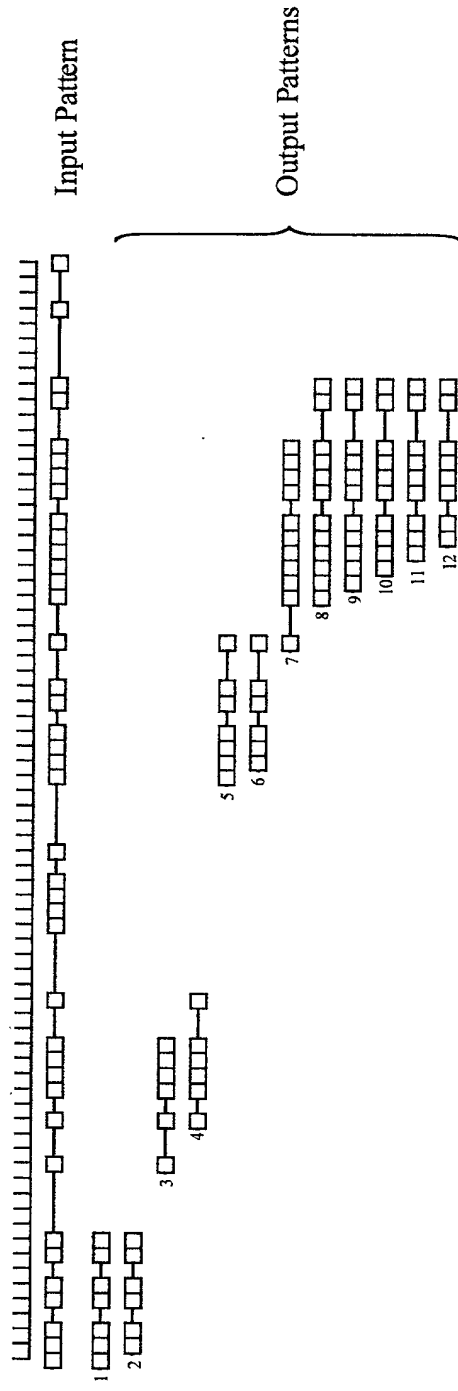


Figure 5

Gap size parameter $g = 3$
 Minimum number of symbols = 6

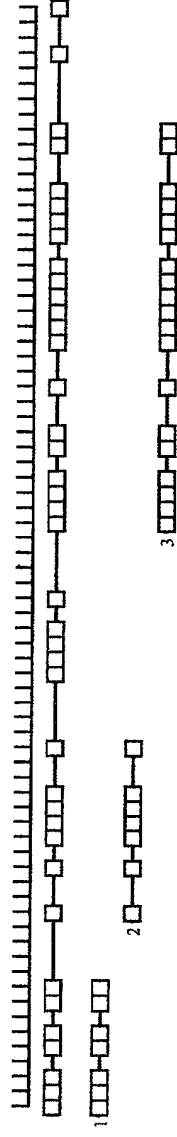


Figure 6

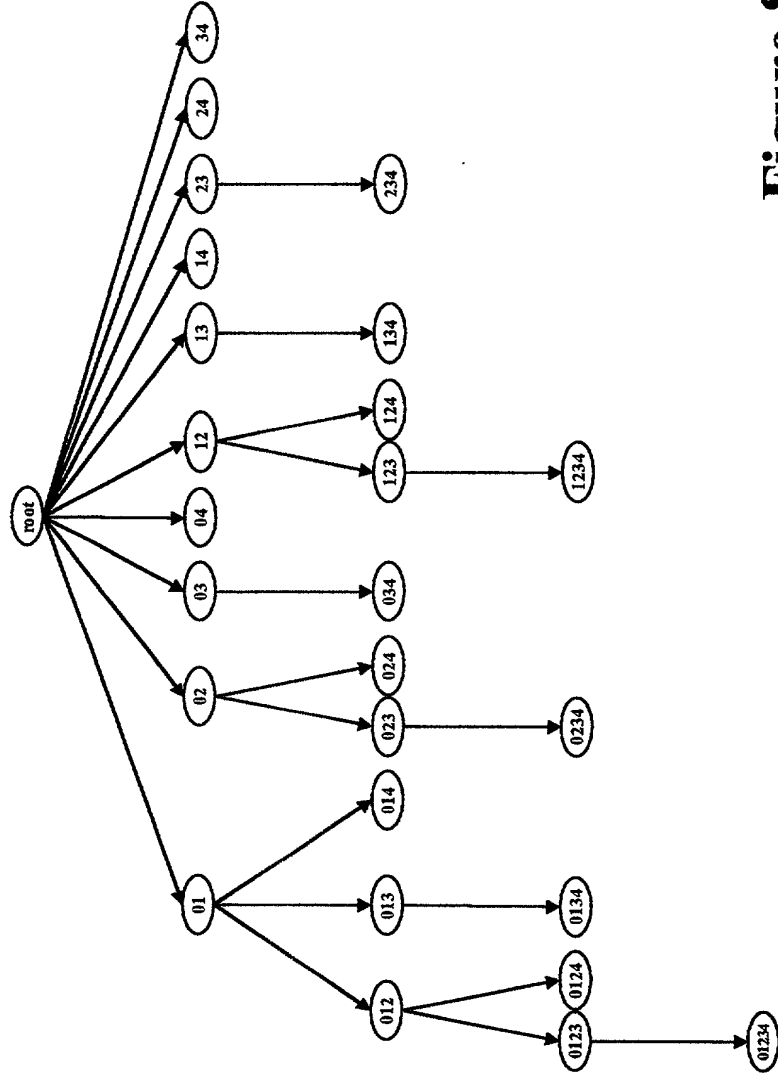


Figure 8

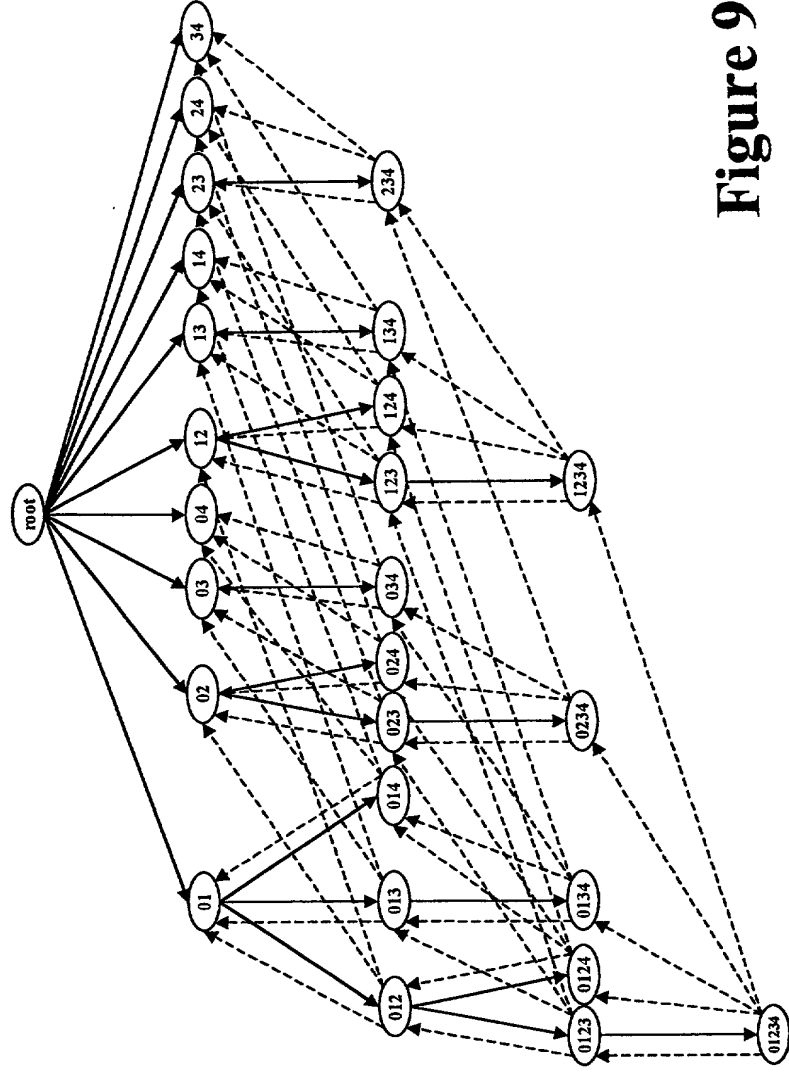


Figure 9

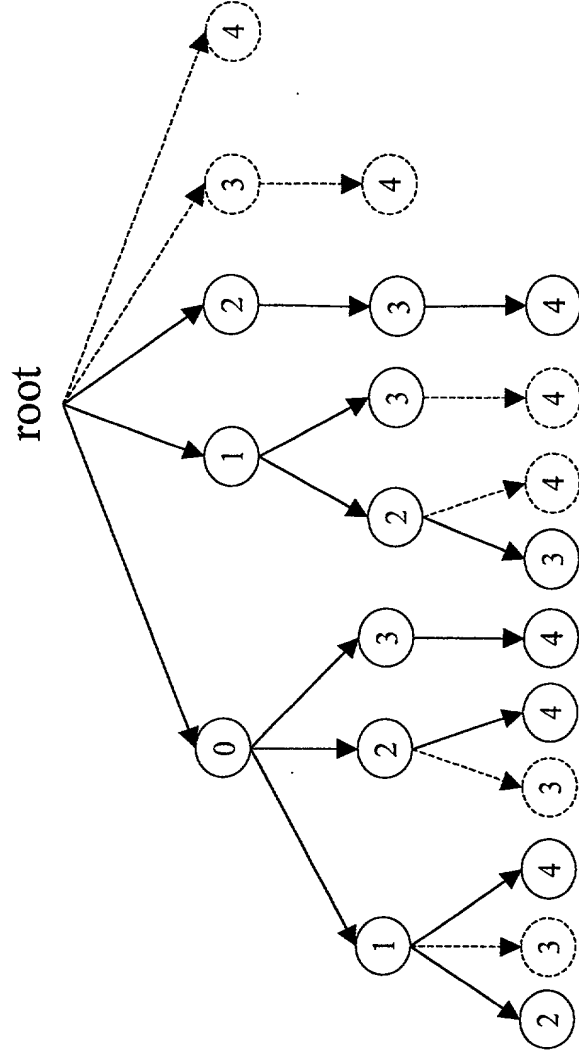


Figure 11

